

FORTRESS LOUISBOURG.



*Canso Strait and Causeway, by night.*  
When this modern engineering  
miracle joined Cape Breton to the  
mainland, it created a fine, ice-free  
harbour and gave new life to this  
area's development. An industrial  
complex, supplied by the  
Commission, is taking shape at Point  
Tupper, across the water in the  
background at right.



# NOVA SCOTIA POWER COMMISSION

AND WHOLLY-OWNED SUBSIDIARY COMPANIES

## ANNUAL REPORT 1967

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**F**OR THE NOVA SCOTIA POWER COMMISSION, 1967 was both a year of record growth and one to consolidate the large gains of the previous 12 months in order to provide a sound basis for future expansion.

On December 30, 1966, the Commission assumed control of Eastern Light & Power Company, Limited, and its subsidiary Dominion Utilities Limited. Later in the year, it purchased the Town of Dominion's distribution system. These moves left the Commission in the position of supplying virtually all the electrical needs of Cape Breton.

Thermal and hydro additions in the amount of 47,000 kilowatts were brought on line during the year, bringing the Commission's total generating capability to the 303,000 kilowatt mark. Major additions to the Interprovincial Grid between Souriquois and Tusket in western Nova Scotia and between Trenton and Onslow in the Eastern Network, totaling more than 100 circuit miles, were surveyed, and preparatory work was begun.

A helicopter replaced the fixed-wing aircraft which provided excellent service for so long. The helicopter has proven especially suitable for utility operation, performing such tasks as transmission line patrol and survey (for instance, it simplified the task of laying out the route between Trenton and Onslow).

Sales of electricity by systems were up significantly over the previous year, with total retail sales showing an advance of 15.1 percent. To meet the demand, the Commission's plants generated a record 1,260,000,000 kilowatt hours.

At year end nearly 90,000 customers were served directly by the Commission, an increase of nearly 30,000 customers, while another 25 to 30,000 customers were served indirectly by municipal and private utilities which purchased their requirements from the Commission.

Several major new industries, notably Scott Paper complex at Abercrombie Point in Pictou County and several secondary manufacturing concerns in the Cape Breton industrial area received initial service from the Commission during 1967.



*New Commission helicopter  
on line patrol*

*Ground breaking for  
Trenton No 5*

*Work station at General  
Instruments plant*



To The Hon. G. I. Smith  
and Commissioners  
of The Nova Scotia Power Commission

Gentlemen:

It is my pleasure to submit the Annual Report of the Nova Scotia Power Commission and its wholly-owned subsidiaries for the fiscal year ended November 30, 1967.

The high rate of growth of last year was surpassed in 1967. Early in the year, the Commission purchased the assets of Eastern Light & Power Company, Limited, and its subsidiary, Dominion Utilities Limited. The electric distribution system of the Town of Dominion was purchased in mid-year. The 38,000 KW Seaboard Topping Turbine extension saw initial service during the year, and the 9000 KW hydro peaking unit at Weymouth Falls was completed on schedule, late in the year. This brings the Commission's total generating capability to 303,000 kilowatts.

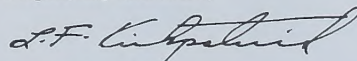
Construction starts were made on major thermal generating projects at Trenton and Point Tupper. Both projects are scheduled for 1969 completions when they will be needed to supply new industry in the Strait of Canso area, and to fulfill our commitments to the Interprovincial Grid.

Energy production totalled nearly 1.3 billion kilowatt hours in the twelve-month period. Retail energy sales increased a record 15.1% over the previous year.

Hydro output rose significantly due to improved water conditions, in marked contrast with the past two years when precipitation levels were low.

I wish to express my thanks to members of the Commission for their cooperation and support and to record my sincere appreciation to our staff for a job well done.

Respectfully submitted,



L. F. Kirkpatrick  
GENERAL MANAGER





## ENGINEERING:

Record capital expenditures of \$15.5 million kept the Engineering and Construction Department on the go. Centennial year was marked by the completion of 47,000 kilowatts of generating capacity, while work continued on two other projects which will add 230,000 kilowatts capacity to the Commission's systems.

At Weymouth Falls on the Sissiboo River, the 9,000 kilowatt number 2 unit began supplying peaking power to the western part of the Province in November. The unit is a twin to the first, built several years ago, and brings the Weymouth station total capacity to 18,000 kilowatts.

The 38,000 kilowatt addition to the Seaboard Generating Station was essentially completed during the year, and although some equipment difficulty was experienced during the commissioning period, the plant was able to supply a substantial portion of the steam requirements of Deuterium of Canada's heavy water plant.

Meanwhile, construction was proceeding well at both the Trenton and Point Tupper plants, with foundations laid and structural steel being erected at both stations. The 150,000 kilowatt extension to the Trenton plant will make it the largest coal fired thermal plant in Atlantic Canada. The 80,000 kilowatt Point Tupper station is planned to handle the power and steam requirements of the new industrial complex being built in the Canso Strait area.

In 1967, Deuterium of Canada announced plans to double the output of its heavy water plant at Glace Bay. To meet the increased steam demand, water storage and treatment facilities have had to be enlarged. Construction will be completed in time for the opening of the new section of the heavy water plant.



*Outline of 150,000 kilowatt extension dwarfs Trenton plant*



*Circuit breaker and structural steel, Trenton*

Plans were laid for the construction of more than 100 circuit miles of 138,000 volt transmission line, and work on the 36.5 miles between Souriquois and Tuskotogot underway. In addition, surveyors mapped out routes between Trenton and Onslow for the double circuit line needed to integrate Trenton's 150,000 kilowatt unit with the interprovincial grid. Completion will coincide with the unit's 1969 on-stream schedule.

High industrial activity and load growth required major services to be undertaken or revamped. In addition to the normal maintenance work carried out, 92.5 miles of 69,000 volt transmission line were completed and a further 39.4 miles were under construction. 121,770 KVA in new transformation facilities was installed in substations with another 151,900 KVA under construction. Repair and renewal work was undertaken on dams at Sandy Lake, Coon Pond, and Marshall Falls.

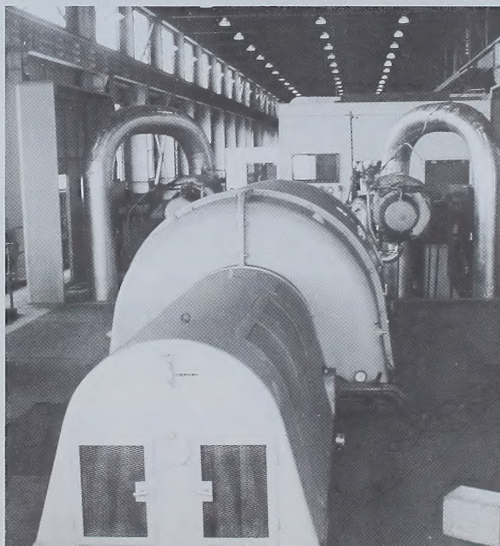
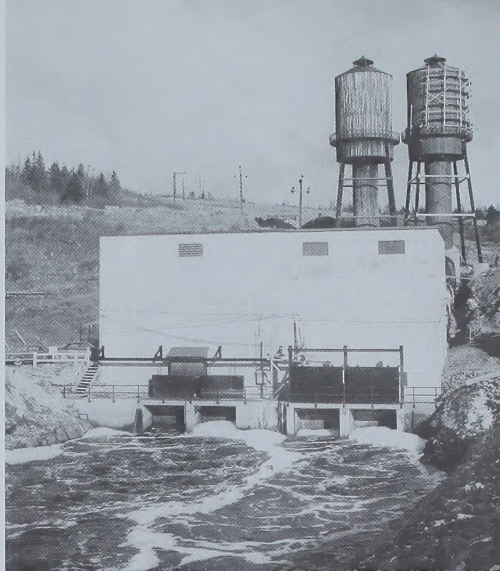
The department, through representation on the Atlantic Tidal Power Programming Board, Engineering and Management Committee, is maintaining an active interest in the Bay of Fundy tidal power feasibility studies.

*Second Weymouth Falls unit  
on stream*

*Surveying for new 80,000  
kilowatt station at  
Point Tupper*

*Foundation work for  
Point Tupper*

*Business end of  
Seaboard's 38,000 KW  
Turbine-generator*





## OPERATIONS:



A marked improvement in hydro conditions during the last three months of the fiscal year produced welcome relief from a production point of view.

During those months numerous heavy rains reversed the water situation of the previous two years, when precipitation and storage levels were abnormally low. The results were doubly important: the peaking duties demanded of our hydro stations were met, and in the process nearly one-third of all energy production came from our economical river plants. The cost saving from a reduction in energy purchases on the interprovincial grid was substantial, and helped materially to counter rising costs elsewhere.

Total delivery of energy to all customer classifi-

cations amounted to 1,260,000,000 kilowatt hours, an increase of 6.4 per cent over 1966. The Commission was able to meet all of its load requirements with ample reserve to fulfill its capacity responsibilities on the interprovincial grid. Net generating capacity from thermal and hydro sources was 303,000 kilowatts. This figure includes the new facilities at Weymouth and Seaboard, both of which were available to meet the heavy load period of December, 1967. Overall firm peak load was recorded at 247,000 kilowatts, up 9 percent.

At the end of the year storage basins were 56 percent full, representing 106,000,000 kilowatt hours, compared to only 31,000,000 kilowatt hours at the same time last year.



The Commission's three thermal stations at Glace Bay, Trenton and Maccan burned a total of 518,425 tons of Nova Scotia coal during the period, an increase of 57,655 tons. Coal used in these stations earned \$896,680 for distribution to qualified industrial users under the Atlantic Provinces Power Development Act.

#### ENERGY SUMMARY KWH

	*1966	1967
Hydro station output	268,434,803	416,546,613
Thermal station output	788,631,693	854,010,751
Purchases from other utilities	237,151,770	109,046,030
Total energy available	1,294,218,266	1,379,603,394
Deliveries to customers	1,184,414,628	1,260,137,683

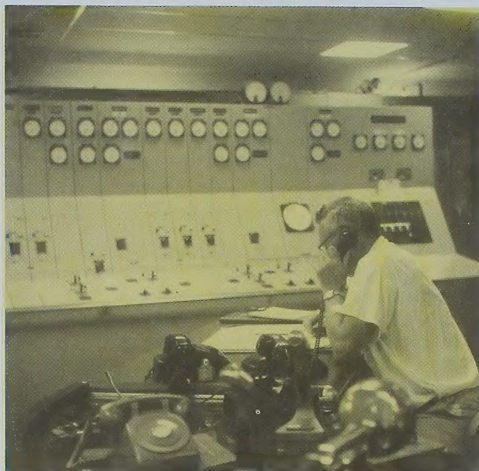
\* Includes Seaboard Power Corporation for twelve months.

The interprovincial grid continued to give excellent service and as a result of close cooperation with the New Brunswick Electric Power Commission and the Nova Scotia Light & Power Co., Ltd., substantial savings were effected by all participants through the interchange of economy energy and the integration of generating capacity.

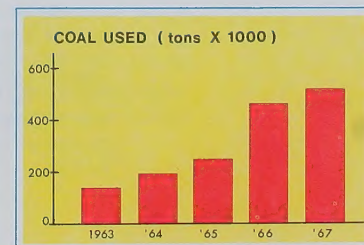
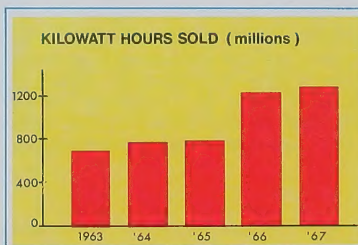
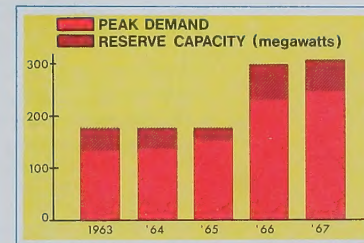
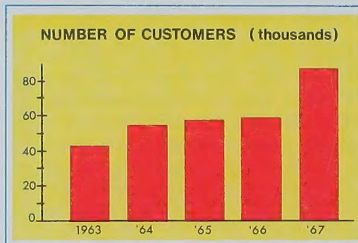
The continuing healthy increase in retail sales made special attention to the distribution system mandatory, and close to \$2,100,000 was spent on improvements and additions.

One of the more interesting developments in the field was the installation of a completely underground distribution system for a recently developed New Glasgow subdivision. Although primaries and secondaries for individual services have been buried before, this was the first full-scale integrated installation of its type for the Commission.

The municipal Services Act has accelerated the upgrading of street lighting and as a result 2150 new units were added to the system during the year.



*New control room at Seaboard Thermal Plant*



## THE STAFF

The Commission's staff has grown remarkably over the past two years. Such factors as the purchase of several smaller utilities and the addition of major generating facilities have encouraged a 69 percent increase in that period, from 507 to 856 employees.

During the past year alone the increase has been nearly 34 per cent, and much of this is accounted for by the purchase of Eastern Light & Power Company, Limited. With the Commission moving ahead at this pace, it is not surprising that organizational changes highlighted our year's activities.

Major appointments included that of a Secretary, a Director of Staff Services, a Training Officer, and a Safety Officer, but equally important was the establishment of a management development program. Various management techniques and models were investigated with the result that members of top management participated in seminars to develop and further managerial skills. The program will continue on an in-company basis in 1968, encompassing employees down to supervisory level.

Our fully-programmed course for thermal plant operators, one of the first of its type to be undertaken by a utility in Canada, was formally opened toward the end of October at Trenton Thermal Plant. The latest educational materials and techniques are being used to instruct 25 trainees. The ten-month initial phase of the course has been planned to provide both classroom theory and important practical experience in actual plant situations.

To increase productivity, first line supervisors participated in a "work improvement" program sponsored by the Work Study Centre at Nova Scotia Technical College. Supervisors will be able to pass on their increased knowledge to those working under them.

In the technical field, the lineman's five-phase course continued with 39 employees attending sessions sponsored by the Commission and the Department of Labour.



*Signing of new two-year labour agreement, October, 1967*

A new two-year contract, effective June 1, was negotiated with the International Brotherhood of Electrical Workers to cover operating and maintenance personnel of the Commission, while a similar agreement was also completed with employees of the Commission's subsidiary, Eastern Light & Power Company, Limited, in Sydney.

*Thermal operators' training school, Trenton*





## MARKETING AND PUBLIC RELATIONS

Marketing and public relations efforts reached a new peak in 1967. Not only was the staff augmented by several new members, but the department also increased the scope of its activities through such measures as the establishment of a home service section, the permanent location of more marketing representatives in the field, expansion of our home modernization plan, and a comprehensive program of contacts with electrical retailers and contractors.

The department's prime role is in communications, whether the objective is to promote electrical living or to maintain the Commission's good standing with the various publics who have an interest in its operation.

This is an area where promotional advertising is an important tool. Our marketing program employed newspapers, television, radio, billboards, truck cards and mailers to sell the benefits of increased use of electricity. A new twist added this year was tie-in advertising. The "live better electrically" dealers who use our finance plan were given the opportunity to use Commission-prepared advertising materials and to buy "hookers" on our major promotional ads.

Our little electrical maid, Ella Trixy, who has become both familiar and popular as a symbol of service for the Commission, became a formally registered trademark in 1967, thanks to the interest shown in her by a number of other utilities. By the end of the year she had been introduced to virtually every man, woman and child in the province through newspapers, radio, television, mailers and personal appearances in cooking schools and parades.



*Pyrominerals' industrial  
abrasives plant*

*Underground wiring serves  
New Glasgow subdivision*

*Ella Trixy promotes  
Home Modernization Plan*

*Assembling Japanese cars,  
Point Edward*

To help our promotion of electric heating, the ceiling on loans under the Home Modernization plan was raised. The plan was also expanded during the year to make customers of municipal utilities eligible. As a result, more than a thousand contracts for wiring and appliances were signed. The popularity of electric heating is growing fast. To date, there are 240 electrically heated homes on the Commission's lines, and 40 schools. Last year, the addition of 90 new electrically heated homes added almost 1000 kilowatts of capacity. Since 1963, electric heating installations have grown over 800%.

The permanent location of marketing representatives in the field has allowed a closer relationship with dealers and better service for our customers.

A home service section was established in January to provide consultation for consumers, especially homemakers. Highlight of this new enterprise was the program of cooking schools, attended by thousands of people in 14 locations.

Our home economist appeared on several television programs, and prepared a series of one-minute "hints for housewives" for broadcast on radio. In addition, literature promoting the use of electrical appliances in the home was distributed to customers.

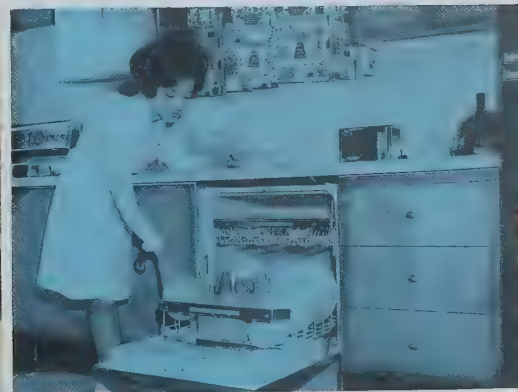
The commercial services section, which is concerned primarily with the administration of rates and regulations, completed a comparative rate analysis for the Commission and provides consultation to municipal utili-



*Service clubs benefitted from Commission cooking schools*



*Commission float had 40 appearances last summer*



*Commission Home Economist displays appliances*



*Mercury-Vapour street-lighting installed at  
Parrsboro in 1967*

ties concerning rate matters. This section was involved in the negotiation of nearly 100 industrial and commercial power contracts.

The public relations section regularly produced four publications, including the newly-introduced marketing bulletin, Electrical Modernization News, as well as a large volume of press releases, feature stories and requests for information, necessitating the addition of a second public relations writer.

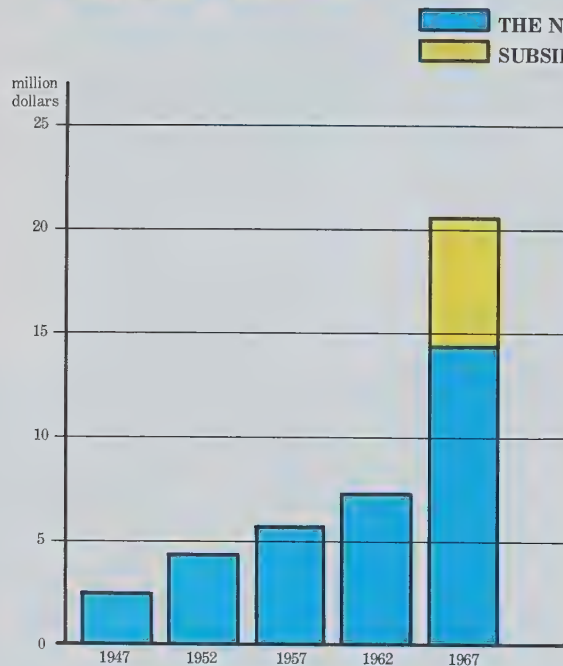
The Power Commission added its weight to Centennial celebrations during the year in a number of ways. Four Centennial scholarships in engineering valued at \$750 for each of two years were instituted as a continuing Centennial project to help promising young Nova Scotian engineering students continue their higher education. Architectural lighting and exterior floodlighting were also adopted by the Commission as means of beautifying the Commission's plants during and after Centennial Year. Several Commission installations received this treatment during the course of the year with most gratifying results, and the program will be continued. In addition, the Commission was one of the sponsoring agencies during opening day ceremonies for the Cape Breton Miners' Museum in Glace Bay. This was conceived as a fitting tribute to the Centennial effort and to the coal miners of Cape Breton who have long supplied coal to fire the thermal generating plants which are so important to the province in providing economical electric power.

*Floodlighting program is evidenced at new  
district headquarters, Parrsboro*



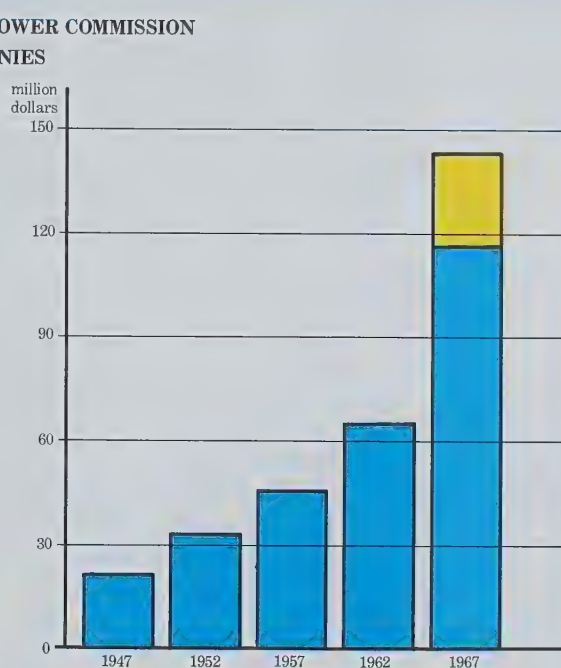
THE NOVA SCOTIA POWER COMMISSION  
AND WHOLLY-OWNED SUBSIDIARY COMPANIES

Operating Revenues



1947-1967

Investment in Fixed Assets





## FINANCIAL

The financial statements appearing in this report are consolidations of the statements of the Commission and its subsidiaries, Seaboard Power Corporation Limited, Eastern Light & Power Company Limited, and Dominion Utilities Company Limited. The Statements also include the results of the Seaboard Industrial System, which has been established to supply steam and power to the heavy water plant being erected by Deuterium of Canada Limited, and other new industrial loads in the Glace Bay area. On January 1, 1966 the Commission purchased all outstanding shares of the Seaboard Power Corporation Limited from the Dominion Steel and Coal Corporation Limited. On December 30, 1966, the Commission purchased Eastern Light & Power Company Limited, which serves 25,000 customers in Sydney and surrounding districts. Dominion Utilities Company Limited, a subsidiary of Eastern Light & Power Company Limited, supplies water to New Waterford and adjacent areas.

Consolidated revenue for the year was \$20,307,559 an increase of 7.3% over 1966, reflecting the high level of economic activity throughout the Province. Consolidated

costs in 1967 amounted to \$19,406,524 an increase of 8.8% over 1966.

Increased power requirements by all classifications, and the need to serve industrial developments, have required unprecedented capital expenditures by this utility. Investment in fixed assets increased by approximately \$14,000,000 in 1967.

Long term financing was arranged with the Province of Nova Scotia and the Northern Canada Power Commission, an agent of the Federal Government. The Commission borrowed \$20,000,000 from the first and \$2,926,372 from the latter. Because of the commitment to a continuing capital expansion program exceeding \$60,000,000, the rising cost of long term financing is a matter of concern. A measure of relief was provided by the Atlantic Development Board announcement of a \$12,000,000 grant toward construction of the 150,000 kilowatt plant extension at Trenton, N.S.

The program to convert all customer billings to computer processing continued throughout the year. At the end of 1967 approximately 60% of customers served by the Commission received bills prepared on the computer.

THE NOVA SCOTIA POWER COMMISSION  
AND WHOLLY-OWNED SUBSIDIARY COMPANIES

CONSOLIDATED  
BALANCE SHEET

AS AT NOVEMBER 30, 1967

ASSETS

Fixed Assets

Utility Plant in Service (Note 1)	\$112,443,984
Less: Accumulated Depreciation	<u>44,712,966</u>

Plant under construction	\$ 67,731,018
	<u>31,689,425</u>

\$ 99,420,443

Investments at cost	662,456
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Sinking Funds held by Bondholders' Trustees	360,716
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Current Assets

Cash	\$ 234,453
Accounts receivable less allowance for doubtful accounts	3,245,819
Accrued interest receivable	9,898
Materials, supplies and merchandise inventories at cost	1,183,330
Prepaid expenses	<u>153,582</u>

4,827,082

Deferred charges	415,964
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Federal Coal Subvention assets held in trust	850,305
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\$106,536,966

Halifax, N. S.  
February 8, 1968.

APPROVED ON BEHALF OF THE COMMISSION:

G. I. Smith, Q.C. Chairman

R. C. Fraser, C.A. Treasurer



## LIABILITIES

Long-term Debt (Note 2)		\$ 87,902,790
Contributed Capital		951,215
Reserves		
General	\$2,217,900	
Stabilization and Equalization of rates	874,930	
Contingency	<u>200,000</u>	
		3,292,830
Current Liabilities		
Short-term loans	\$3,978,847	
Instalments due on long-term debt within one year	2,763,113	
Accounts payable and accrued wages	1,986,022	
Accrued interest payable	4,523,671	
Sundry deferred credits	<u>54,285</u>	
		13,305,938
Customers' deposits and accrued interest		233,888
Federal Coal Subvention - contra		850,305
		<u>\$106,536,966</u>

Examined in accordance with our attached Report.

LEE & MARTIN  
Chartered Accountants.

## AUDITORS' REPORT

The Chairman and Commissioners  
The Nova Scotia Power Commission

We have examined the balance sheet of the Nova Scotia Power Commission as at November 30, 1967, and the statement of operations for the year ended on that date and have obtained all the information and explanations we have required. We have also examined the balance sheets of the wholly-owned subsidiary companies as at November 30, 1967, and the statements of operations and general reserve for the periods then ended and have obtained all the information and explanations we have required. Our examinations included a general review of the accounting procedures and such tests of accounting records and other supporting evidence as we considered necessary in the circumstances.

In our opinion the accompanying consolidated balance sheet and statement of operations and general reserve are properly drawn up so as to exhibit a true and correct view of the state of the affairs of the Nova Scotia Power Commission and its wholly-owned subsidiary companies as at November 30, 1967, and for the fiscal periods then ended, according to the best of our information and the explanations given to us and as shown by the books of the Commission and its wholly-owned subsidiary companies.

LEE & MARTIN

Chartered Accountants

# SUPPLEMENTARY BALANCE SHEET INFORMATION

NOVEMBER 30, 1967

1. The consolidated statements to November 30, 1967, include the Nova Scotia Power Commission and its wholly owned subsidiaries, Seaboard Power Corporation Limited, Eastern Light & Power Company Limited and Dominion Utilities Company Limited.

The assets of the Nova Scotia Power Commission and its subsidiaries are recorded at historical cost, less allowances for depreciation.

Consolidation of the accounts produces a difference of \$2,135,352 between the investment made on a going concern basis and valuation based on historical costs. This amount is included in utility plant.

2. Long-Term Debt

Loans from Province of Nova Scotia	\$56,830,747
Loans from Northern Canada Power Commission	23,369,443
Canada Electric Company Limited Bonds 4% 1972	408,500
Canada Electric Company Limited Bonds 4½% 1972	429,100
Pictou County Power Board Bonds 3½% 1970	100,000
Pictou County Power Board Bonds 3¼% 1974	200,000
Pictou County Power Board Bonds 5½% 1979	300,000
Seaboard Power Corporation 1st Mortgage Serial Bonds	
4 % Series A 1971	390,000
5½% Series B 1975	875,000
4½% Series C 1977	1,008,000
5¾% Series D 1979	1,237,500
Eastern Light & Power Company Limited	
1st Mortgage Series A, S.F. Bonds 5¾% 1985	2,500,000
General Mortgage S.F. Bonds 4% 1972	254,500
	<hr/>
	\$87,902,790

# STATEMENT OF OPERATING AND PHYSICAL STATISTICS

NOVEMBER 30, 1967

WITH COMPARATIVE FIGURES FOR 1957

	N.S.P.C. AND SUBSIDIARIES 1967	N.S.P.C. 1957
1. Total Revenue	\$ 20,307,559	\$ 5,466,930
2. Total Assets	\$ 150,399,627	\$ 57,443,448
3. Funded Debt	\$ 87,902,790	\$ 38,254,276
4. Percentage of Funded Debt to Total Assets	58.45	66.59
5. Fixed Assets	\$ 144,133,409	\$ 47,869,995
6. Accumulated Depreciation	\$ 44,712,966	\$ 14,340,252
7. General and Special Reserves	\$ 3,292,830	\$ 619,671
8. Number of Customers		
Electric - Wholesale	68	65
- Retail	86,088	31,342
- Street Lighting	1,389	26
Water - Retail	2,905	0
9. K.W.H. delivered	1,260,000,000	449,000,000
10. Generating Stations		
Hydro	20	20
Steam	4	2
Diesel	2	3
11. Turbines in Service		
Hydro	39	37
Steam	15	5
Diesel	4	7
12. K.W. Rating		
Hydro Turbines	107,909	84,208
Steam Turbines	194,850	41,125
Diesel Units	906	1,642
13. Miles of Line		
Transmission, 36 K.V. and over	1,295	770
Transmission and Distribution below 36 KV	4,896	3,963
Submarine Cable	16	11
14. K.W.H. Available from Created Storage Basins	191,000,000	160,000,000



THE NOVA SCOTIA POWER COMMISSION  
AND WHOLLY-OWNED SUBSIDIARY COMPANIES

**CONSOLIDATED  
STATEMENT OF OPERATIONS**

**for the year ended November 30, 1967**

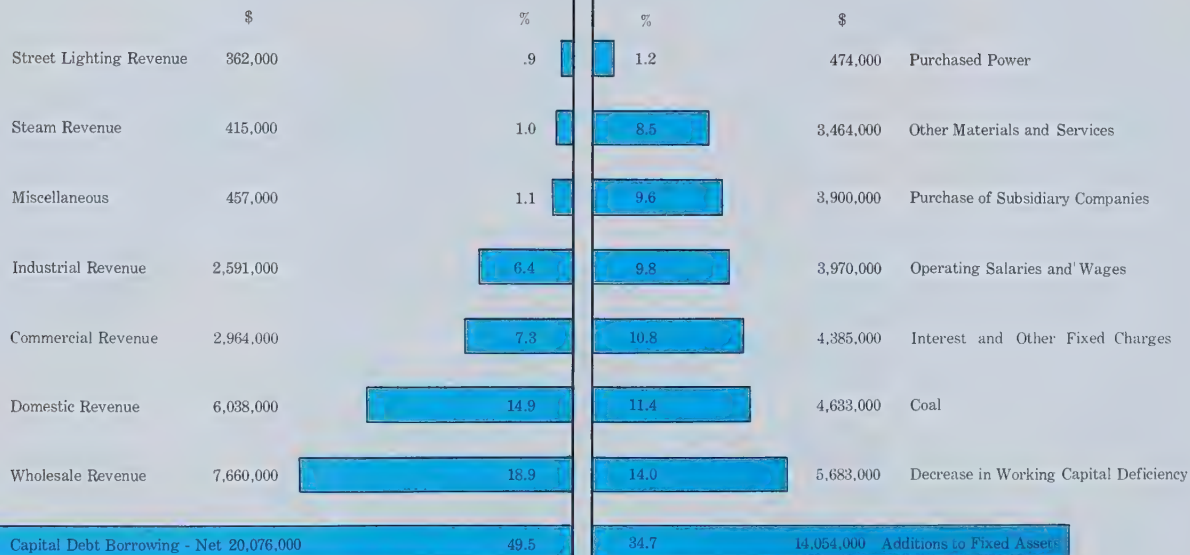
Revenue		
Electric		\$19,614,771
Other		<u>692,788</u>
		\$20,307,559
Expenditures		
Cost of power generated and purchased	\$7,443,772	
Operating, maintenance and general expenses	3,329,734	
Interest and bond discount	4,385,604	
Taxes and grants in lieu of taxes	496,731	
Depreciation	<u>3,750,683</u>	
Total system cost		<u>19,406,524</u>
Available for transfer to General Reserve		<u><u>\$ 901,035</u></u>

## INFLOW AND OUTFLOW OF FUNDS

**Total Funds: \$40,563,000**

### Inflow

### Outflow





# THE NOVA SCOTIA POWER COMMISSION

1967



Hon. G. I. Smith Q.C.  
*Chairman*



H. W. L. Doane  
B.Sc. D.Eng. P.Eng.



L. F. Kirkpatrick  
D.S.O., B.E. P.Eng.  
*General Manager*



A. G. Mahon  
B.Sc. P.Eng.  
*Director of operations*



J. H. Russell  
*Superintendent, Purchasing*

## Commissioners



Ronald G. Smith



Roderick J. MacSween  
LL.D.



S. Bruce Chandler



J. Craig MacDonald

## Executive Staff



G. D. Mader  
B.Sc. B.E. P.Eng.  
*Chief Engineer*



R. C. Fraser  
B. Comm. C.A.  
*Treasurer*



F. J. Abbas  
B.E. P.Eng.  
*Superintendent  
Commercial Department*



A. D. Waller  
*Superintendent, Personnel*



W. R. Bailey  
B. Comm.  
*Secretary*



J. A. Parker  
B.Sc. P.Eng.  
*Director of Staff Services*

# LEGEND:

## TRANSMISSION

- NSPC 138 kv
- NSPC 69 kv
- NSLP

## GENERATING PLANTS

- Steam
- Diesel
- Hydro
- Municipal Elect. Comm.

## AREA SERVED

- Directly
- Indirectly
- Other



## NOVA SCOTIA

Showing: Transmission Lines, Areas  
Served, Generating Plants, Interconnection





Chateau St. Louis, rising from its own ruins, looks much today as it did over 200 years ago when Prime Minister William Pitt of England, ordered that it "be most effectually and most entirely demolished". This huge building, 360 feet long, 60 feet in depth, 2 $\frac{3}{4}$  stories high and containing 120 rooms, housed the Governor's plush apartment, officers' quarters and barracks during the time that Fortress Louisbourg was the chief bastion of French defence in the new world. Archaeologists and engineers are painstakingly reconstructing in ten years, with the help of hundreds of re-trained coal miners, what it took French engineers and workmen from 1713 to 1744 to accomplish. By 1972, Fortress Louisbourg and the surrounding 20 square miles of battle and landing points, will be one of the top tourist attractions in North America.

—Pen and ink drawing by Halifax artist Latham Jenson

Hon. G. I. Smith

End of year . . . 1961.

file.

The 1967 fiscal year has been one of consolidation for the Nova Scotia Power Commission. The ambitious capital expansion program announced a year ago, which will have added more than \$60,000,000 worth of generating and transmission plant by the end of 1969, proceeded from design to construction stages on schedule.

During the year, two of these projects were completed. The 38,000 kilowatt Seaboard topping turbine extension at Glace Bay and the 9,000 kilowatt Weymouth No. 2 hydro unit in Digby County brought total generating capability up to <sup>303,000</sup>~~302,000~~ kilowatts, two-thirds of which is concentrated in three coal-burning stations.

Construction began on both the 150,000 kilowatt Trenton No. 5 unit in Pictou County and the 80,000 kilowatt back-pressure turbo generator at the Point Tupper Industrial complex. The \$17,500,000 Point Tupper plant will serve a number of industries expected to locate at the Strait with both process steam and electrical power. Among these will be Canadian General Electric's heavy water complex and the Canadian Industries Limited Chemical Plant.

The Commission purchased the assets of both Eastern Light & Power Company, Limited, and the Town of Dominion's electric utility early in the year,





thus adding nearly 27,000 direct customers to its lines. The total number of direct customers has risen to approximately 90,000, while a further 36,000 customers are served by municipal utilities which purchase their power requirements from the Commission.

For the second year in a row the Commission's generating plants turned out over a billion kilowatt hours of electric energy, rising by the end of November to an annual rate of one billion, 276 million kilowatt hours. Overall sales rose 12% in relation to the 1966 fiscal year's figures, indicating a strengthening base in the industrial sector of our economy. Consolidated revenues of the Nova Scotia Power Commission and its wholly-owned subsidiaries (Seaboard Power Corporation Limited, Eastern Light & Power Co., Ltd., and Dominion Utilities Co., Ltd.) are expected to exceed \$22,500,000 for the year.

Extensions to the 138,000 volt interprovincial grid system, expected to cost \$3,500,000, were begun during the year. A second 36-mile section was mapped out between Trenton and Onslow to provide the additional capacity needed to tie the new unit at Trenton into the existing network. Increased industrial activity in the southern and western areas of the province spurred construction of another 36-mile section of 138,000 volt transmission line from Shelburne to Tusket. This line will eventually be continued in a loop around to Yarmouth.





One further example of electrical progress in Nova Scotia is mirrored in the increased acceptance of electrical space heating in homes, schools, motels, and small government buildings. At present, there are more than 800 such installations on the lines of the Commission and the municipal systems which it provides with wholesale power.

